



Standards *Actions*

DOE Technical Standards Projects Initiated

The following DOE technical standards project was recently initiated. If you have any questions or are interested in participating in the development of this standard, please contact the persons listed below.

- *Definitions and Acronyms to Good Practices for Maintenance at DOE Nuclear Facilities*, Project Number MNTY-0025; Charles B. Ramsey, EH-31; 301-903-5999, Chuck.Ramsey@hq.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program (TSP) Internet Site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Criteria for Packaging and Storing Uranium-233-Bearing Materials*, SAFT-0067, (Ray Cooperstein, DP-45, 301-903-5353, Raymond.Cooperstein@dp.doe.gov). This project was previously released for coordination on May 22, 1998. The current version of the draft serves two purposes, (1) a re-release of the project for review and comment, and (2) a draft DOE technical standard for interim use. A formal comment period will be designated at a later date.

DOE Documents Recently Published

The following DOE documents have recently been published:

- **DOE-STD-1029-92**, *Writer's Guide for Technical Procedures*, December 1992, Change Notice No. 1, December 1998.
- **DOE-STD-1031-92**, *Guide to Good Practices for Communications*, December 1992, Change Notice No. 1, December 1998.
- **DOE-STD-1040-93**, *Guide to Good Practices for Control of On-Shift Training*, June 1993, Change Notice No. 1, December 1998.
- **DOE-STD-1041-93**, *Guide to Good Practices for Shift Routines and Operating Practices*, June 1998, Change Notice No. 1, December 1998.
- **DOE-HDBK-1130-98**, *Radiological Worker Training*, October 1998.

Technical Standards Program Document Status as of 1/29/99

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	46	24	5

Total in process = 70

DOE employees and DOE contractors may obtain copies from the ES&H Technical Information Services, U.S. Department of Energy; telephone 800-473-4375 or FAX 301-903-9823.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page. The "recently published" documents listed above and the following document have been added to the TSP Internet Site.

- **DOE-HDBK-1115-98**, *Guide to Good Practices for the Selection, Training, and Qualification of Shift Technical Advisors*, December 1998 (supercedes DOE-STD-1057-93, February 1993).

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://www.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).



Visit the Technical Standards Program Internet Site: <http://apollo.osti.gov/html/techstds/techstds.html>

The following American National Standards are currently in coordination:

- AIHA Z9.6, *Exhaust Systems for Grinding, Polishing and Buffing* (new standard); comments due March 2, 1999.
- ASHRAE/IESNA 90.1-1989R (ECB), *Energy Standard for Buildings Except Low-Rise Residential Buildings* (revision of ANSI/ASHRAE/IESNA 90.1-1989); comments due March 16, 1999.
- ASME HST-3M, *Performance Standard for Manually Lever-Operated Chain Hoists* [revision of ANSI/ASME HST-3M-1991 (R1996)]; comments due March 2, 1999.
- ASME HST-4M-1991 (R1996), *Performance Standard for Overhead Electric Wire Rope Hoists* [revision of ANSI/ASME HST-4M-1991 (R1996)]; comments due March 16, 1999.
- ASTM E1261, *Guide for Selection and Calibration of Dosimetry Systems for Radiation Processing* (new standard); comments due March 2, 1999.
- ASTM Z7294Z, *Guide for Documenting the Results of Particle Penetration Testing of Protective Clothing Materials* (new standard); comments due March 2, 1999.
- C18.1M, Part 2, *Portable Primary Cells and Batteries with Aqueous Electrolyte - Safety Standard* (revision of ANSI C18.1M-1994); comments due March 2, 1999.
- IAS LC-1a, *Fuel Gas Piping System Using Corrugated Stainless Steel Tubing* (same as CSA 6.26a) (supplement to ANSI/IAS LC-1-1996); comments due March 2, 1999.
- NFPA 1, *Fire Prevention Code* (revision of ANSI/NFPA 1-1997); comments due April 2, 1999.
- NFPA 12, *Carbon Dioxide Extinguishing Systems* (revision of ANSI/NFPA 12-1998); comments due April 2, 1999.
- NFPA 70E, *Electrical Safety Requirements for Employee Workplaces* (revision of ANSI/NFPA 70E-1995); comments due April 2, 1999.
- NFPA 101, *Code for Safety to Life from Fire in Buildings and Structures* (revision of ANSI/NFPA 101-1997); comments due April 2, 1999.
- NFPA 255, *Surface Burning Characteristics of Building Materials* (revision of ANSI/NFPA 255-1996); comments due April 2, 1999.
- NFPA 430, *Liquid and Solid Oxidizers* (revision of ANSI/NFPA 430-1995); comments due April 2, 1999.
- NFPA 600, *Industrial Fire Brigades* (revision of ANSI/NFPA 600-1996); comments due April 2, 1999.
- NFPA 850, *Electric Generating Plants* (revision of ANSI/NFPA 850-1996); comments due April 2, 1999.
- NFPA 1006, *Rescue Technician Professional Qualifications* (new standard); comments due April 2, 1999.
- NFPA 1035, *Professional Qualifications for Public Fire and Life Safety Educator* (revision of ANSI/NFPA 1035-1993); comments due April 2, 1999.
- NFPA 1250, *Recommended Practice in Emergency Service Organization Risk Management* (new standard); comments due April 2, 1999.
- NFPA 1410, *Training for Initial Fire Attack* (revision of ANSI/NFPA 1410-1995); comments due April 2, 1999.
- NFPA 1583, *Recommended Practice for Fire Fighter Health and Wellness* (new standard); comments due April 2, 1999.

- NFPA 1600, *Disaster Management* (revision of ANSI/NFPA 1600-1995); comments due April 2, 1999.
- NFPA 1976, *Protective Clothing for Proximity Fire Fighting* (revision of ANSI/NFPA 1976-1992); comments due April 2, 1999.
- NFPA 1992, *Liquid Splash Protective Suits for Hazardous Chemical Emergencies* (revision of ANSI/NFPA 1992-1994); comments due April 2, 1999.
- NIRMA/CMC - TG19, *Configuration Management for Nuclear Facilities* (new standard); comments due March 2, 1999.

The following newly published American National Standards are available from ANSI:

- ANSI A10.9-1997, *Construction and Demolition Operations - Concrete and Masonry Work*.
- ANSI B109.4-1998, *Self-Operated Diaphragm-Type Natural Gas Service Regulators*.
- ANSI N14.5-1997, *Radioactive Materials - Leakage Tests on Packages for Shipment*.
- ANSI N323A-1997, *Radiation Protection Instrumentation Test and Calibration - Portable Survey Instruments*.
- ANSI Z16.3-1997, *Injury Statistics - Employee Off-the-Job Injury Experience - Recording and Measuring*.
- ANSI Z245.41-1997, *Equipment Technology and Operations for Wastes and Recyclable Materials - Facilities for the Processing of Commingled Recyclable Materials - Safety Requirements*.
- ANSI Z400.1-1998, *Hazardous Industrial Chemicals - Material Safety Data Sheets - Preparation*.
- ANSI Z535.2-1998, *Environmental and Facility Safety Signs*.
- ANSI Z535.3-1998, *Criteria for Safety Symbols*.
- ANSI Z535.5-1998, *Accident Prevention Tags*.
- ANSI/ICC A117.1-1998, *Accessible and Usable Buildings and Facilities* (revision and redesignation of ANSI/CABO A117.1-1992).
- ANSI/ISO 14040-1997, *Environmental Management - Life Cycle Assessment - Principles and Framework*.
- ANSI/NCSL Z540.2-1997, *U.S. Guide to the Expression of Uncertainty in Measurement*.
- ANSI/NFPA 59-1998, *Storage and Handling of Liquefied Petroleum Gases at Utility Gas Plants*.
- ANSI/NFPA 70-1999, *National Electrical Code*.
- ANSI/NSF 41-1998, *Non-Liquid Saturated Treatment Systems*.
- ASME B30.11-1998, *Monorails and Underhung Cranes*.
- ASME B30.25-1998, *Scrap and Material Handlers*.
- ASME CSD-1-1998, *Controls and Safety Devices for Automatically Fired Boilers* (includes revision service).
- ASME NQA-1-1997, *Quality Assurance Requirements for Nuclear Facility Applications*.
- ASME Y14.100M-1998, *Engineering Drawing Practices*.
- AWS A1.1-1998, *Metric Practice Guide for the Welding Industry*.
- AWS A2.4-98, *Symbols for Welding, Brazing, and Nondestructive Examination*.
- AWS B2.1-98, *Specification for Welding Procedure and Performance Qualification*.

- UL 193-1996, *Alarm Valves for Fire-Protection Service*.
- UL 2172-1995, *Standard for Safety for Field Conversion/Retrofit of Products to Change to an Alternative Refrigerant - Procedures and Methods*.

The following international standards are currently in coordination (comment due dates follow each entry):

- 27/219A/FDIS, IEC 60398, *Industrial electroheating installations - General test methods* - February 12, 1999.
- 65B/374/FDIS, IEC 60534-4, *Industrial-process control valves - Part 4: Inspection and routine testing* - February 12, 1999.
- EN 50086-2-1:1995/prA11:1998, *Conduit systems for electrical installations - Part 2-1: Particular requirements for rigid conduit systems* (for information).
- HD 627 S1:1996/prA1:1998, *Multicore and multipair cable for installation above and below ground* - March 1, 1999.
- ISO/DIS 15463, *Petroleum and natural gas industries - Field inspection of new casing, tubing and plain end drill pipe* - March 11, 1999.
- prEN 818-7, *Short link chain for lifting purposes - Safety - Part 7: Fine tolerance chain for hoists, Grade T (Types T, DAT and DT)* - May 3, 1999.
- prEN 934-5, *Admixtures for concrete, mortar and grout - Part 5: Admixtures for sprayed concrete - Definitions, specifications and conformity criteria* - April 19, 1999.
- prEN 1363-2, *Fire resistance tests - Part 2: Alternative and additional procedures* (for information).
- prEN 1542, *Products and systems for the protection and repair of concrete structures - Test methods - Measurement of bond strength by pull-off* (for information).
- prEN 12952-8, *Water-tube boilers - Part 8: Requirements for firing systems for liquid and gaseous fuels* - April 12, 1999.
- prEN 13385, *Transportable gas cylinders - Battery vehicles for permanent and liquefied gases (excluding acetylene) - Inspection at the time of filling* - April 19, 1999.
- prEN 13412, *Products and systems for the protection and repair of concrete structures - Test methods - Determination of elastic modulus in compression* - April 19, 1999.
- prEN 45510-4-2, *Guide for procurement of power station equipment - Part 4: Boiler auxiliaries - Section 2: Gas-air, steam-air and gas-gas heaters* (for information).
- prEN ISO 13702, *Petroleum and natural gas industries - Control and mitigation of fires and explosions on offshore production installations - Requirements and guidelines* (ISO/FDIS 13702: 1998) (for information).
- prEN ISO 14042, *Environmental management - Life cycle assessment - Life cycle impact assessment* (ISO/DIS 14042:1998) - March 12, 1999.

The following newly published international standards are available from ANSI:

- ISO 1998-1:1998, *Petroleum industry - Terminology - Part 1: Raw materials and products*.
- ISO 6520-1:1998, *Welding and allied processes - Classification of geometric imperfections in metallic materials - Part 1: Fusion welding*.

- ISO 7726:1998, *Ergonomics of the thermal environment - Instruments for measuring physical quantities*.
- ISO 8686-3:1998, *Cranes - Design principles for loads and load combinations - Part 3: Tower cranes*.
- ISO 10434:1998, *Bolted bonnet steel gate valves for petroleum and natural gas industries*.
- ISO 11074-2:1998, *Soil quality - Vocabulary - Part 2: Terms and definitions relating to sampling*.
- ISO 11933-3:1998, *Components for containment enclosures - Part 3: Transfer systems such as plain doors, airlock chambers, double door transfer systems, leaktight connections for waste drums*.
- ISO 12485:1998, *Tower cranes - Stability requirements*.
- ISO 13370:1998, *Thermal performance of buildings - Heat transfer via the ground - Calculation methods*.
- ISO 14253-1:1998, *Geometrical Product Specifications (GPS) - Inspection by measurement of workpieces and measuring equipment - Part 1: Decision rules for proving conformance or non-conformance with specifications*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is February 10, 1999).

- New Standard, *Guide for Property Condition Assessments: Baseline Property Condition Assessment Process* (Ref. Z7029Z).
- C 1220-98, *Test Method for Static Leaching of Monolithic Waste Forms for Disposal of Radioactive Waste* (revised standard).
- D 653-97, *Terminology Relating to Soil, Rock, and Contained Fluids* (revised standard).
- D 4439-97, *Terminology for Geosynthetics* (revised standard).
- E 122-97, *Practice for Choice of Sample Size to Estimate a Measure of Quality for a Lot or Process* (revised standard).
- E 1860-97, *Test Method for Elapsed Time Calibration of Thermal Analyzers* (new standard).
- E 1877-97, *Practice for Calculating Thermal Endurance of Materials From Thermogravimetric Decomposition Data* (new standard).
- E 1905-97, *Guide for General Requirements for Assessment and Accreditation of Certification/Registration Bodies* (new standard).

- E 1906-97, *Guide for General Requirements for Bodies Operating Product Certification Systems* (new standard).
- E 1955-98, *Radiographic Examination for Soundness of Welds in Steel by Comparison to Graded ASTM E 390* (new standard).

The following newly published standards are available from ASTM:

- A 421/A 421M-98, *Specification for Uncoated Stress-Relieved Steel Wire for Prestressed Concrete* (revised standard).
- A 744/A 744M-98, *Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for Severe Service* (revised standard).
- A 767/A 767M-97, *Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement* (revised standard).
- A 941-98, *Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys* (revised standard).
- A 992-98, *Specification for Steel for Structural Shapes for Use in Building Framing* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Welding Society (AWS)

Office: 550 N.W. LeJeune Road
Miami, FL 33126

Fax: 305-443-5951

Contact: Charles Fassinger, chuck@aws.org

- AWS C7.3, *Specification for Electron Beam Welding* (new standard).

International Electrical Testing Association

Office: 106 Stone Street

P. O. Box 687

Morrison, CO 80465

Fax: 303-697-8431

Contact: Mary Jordan, mjordan@netaworld.org

- NETA ETT, *Certification of Electrical Testing Personnel* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov.

Addresses: To update the distribution list for this publication, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423-574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

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